

DECLARATION FOR NON-PROVISIONAL PATENT APPLICATION

amed inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. beneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

	RECOMBINANT RSV VIRUS EX	PRESSION SYSTEMS AND VACCINE	ES	
and for which a patent application:				
☐ is attached hereto and include	s amendment(s) filed on (if applicable	ie)		
was filed in the United States with amendment(s) filed on (•	ation No. 09/724,416 (for declaration not acco	ompanying application)	
☐ was filed as PCT international	l Application No. on and was ar	nended under PCT Article 19 on (if app	licable)	
I hereby state that I have reviewed a amendment referred to above	and understand the contents of the	above identified application, including	g the claims, as ame	ended by any
I acknowledge the duty to disclose Regulations, §1.56.	information known to me to be ma	aterial to patentability as defined in Tit	tle 37, Code of Fed	eral
	o identified below any foreign app	Code, §119(a)-(d) of any foreign appli plication for patent or inventor's certifi		
EARLIEST FOREIGN	APPLICATION(S), IF ANY, FIL	LED PRIOR TO THE FILING DATE	OF THE APPLICA	TION
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORIT	Y CLAIMED
			YES □	NO □
			YES □	NO □
I hereby claim the benefit under Tit	le 35, United States Code, §119(e) of any United States provisional app	lication(s) listed be	low.
PROVISIONAL APPI	LICATION NUMBER	FILIT	NG DATE	
60/060,153		September 26, 1997		
60/084,133		May 1, 1998		
60/089,207		June 12, 1998		-
		f any United States application(s) liste		

NON-PROVISIONAL	FILING DATE	STATUS		
APPLICATION SERIAL NO.		PATENTED	PENDING	ABANDONED
09/368,076	August 3, 1999			
09/161,122	September 25, 1998			

paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the

national or PCT_international filing date of this application:

for use only when the application is assigned to a company, partnership or other organization.

08/31	6,439	September 30, 1994	⊠ ·			
eliev ounish	ed to be true; and fur hable by fine or impri	tements made herein of my own knowle ther that these statements were made wi sonment, or both, under Section 1001 of the application or any patent issuing ther	ith the knowledge that willful false st if Title 18 of the United States Code a	atements and the like so	made are	
	ELILI NAME	LAST NAME	FIRST NAME	MIDDLE NAME		
	FULL NAME OF INVENTOR	JIN	Hong			
2	RESIDENCE &	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSI	HIP	
) 1	CITIZENSHIP	Cupertino	California	People's Repub	lic of China	
1		STREET	СПУ	STATE OR COUNTRY	ZIP CODE	
	POST OFFICE ADDRESS	22385 Santa Paula Avenue	Cupertino	California	95014	
	1.00.1.00	SIGNATURE OF INVENTOR 201		DATE		
				Tue 25,	2003	
	ELIT A NIANCE	LAST NAME	FIRST NAME	MIDDLE NAME		
	FULL NAME OF INVENTOR	TANG	Roderick			
2	DECIDENCE &	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSI	HIP	
0 2	RESIDENCE & CITIZENSHIP	San Carlos	California	Malaysia		
2		STREET	СПУ	STATE OR COUNTRY	ZIP CODE	
	POST OFFICE ADDRESS	730 Chestnut Street	San Carlos	California	94070	
		SIGNATURE OF INVENTOR 202		17 July 20	503	
	FULL NAME	LAST NAME	FIRST NAME	MIDDLE NAME		
	OF INVENTOR	LI	Shengqiang			
2	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENS	HIP	
0 3	CITIZENSHIP	Los Altos	California	People's Repub	People's Republic of China	
	POST OFFICE	STREET	СПУ	STATE OR COUNTRY	ZIP CODE	
	ADDRESS	718 Terrace Court	Los Altos	California	94024	
	L	SIGNATURE OF INVENTOR 203		DATE		
		LAST NAME	FIRST NAME	MIDDLE NAME		
	FULL NAME OF INVENTOR	BRYANT	Martin			
2	DEGIDENCE 6	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENS	HIP	
)	RESIDENCE & CITIZENSHIP	Carlisle	Massachusetts	United States of	f America	
ŧ		STREET	СІТУ	STATE OR COUNTRY	ZIP CODE	
	POST OFFICE ADDRESS	65 Hickory Lane	Carlisle	Massachusetts	01741	
	TADDRESS	SIGNATURE OF INVENTOR 204		DATE		
					<u> </u>	
	FULL NAME	LAST NAME	FIRST NAME	MIDDLE NAME		
	OF INVENTOR	CLARKE	David	Kirkwood		
2	RESIDENCE &	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENS	нг	
) 5	CITIZENSHIP	Chester	New York	United States o	f America	
	POST OFFICE	STREET	СПУ	STATE OR COUNTRY	ZIP CODE	
	ADDRESS	3205 Whispering Hills	Chester	New York	10918	
		SIGNATURE OF INVENTOR 205		DATE		

FULL NAME	LAST NAME	FIRST NAME	MIDDLE NAME		
	OF INVENTOR	PALESE	Peter		
2 RESIDENCE &	СІТУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP		
0 6	CITIZENSHIP	Leonia	New Jersey	United States of	f America
·	POST OFFICE	STREET	CITY	STATE OR COUNTRY	ZIP CODE
	POST OFFICE ADDRESS	414 Highwood Avenue	Leonia	New Jersey	07065
		SIGNATURE OF INVENTOR 205		DATE	



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and for which a patent application:				
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	le 35, United States Code, §120 of a			

matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

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APPLICATION SERIAL NO.		PATENTED	PENDING	ABANDONED
09/368,076	August 3, 1999		⊠	
09/161,122	September 25, 1998		⊠	
08/316,439	September 30, 1994	Ø		

for use only when the application is assigned to a company, partnership or other organization.

(1)

	FULL NAME	LAST NAME	FIRST NAME	MIDDLE NAME		
	OF INVENTOR	ЛN	Hong			
	RESIDENCE &	СІТУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENS	HIP ·	
	CITIZENSHIP	Cupertino	California	People's Repub	lic of China	
	POST OFFICE	STREET	СПУ	STATE OR COUNTRY	ZIP CODE	
	POST OFFICE ADDRESS	22385 Santa Paula Avenue	Cupertino	California	95014	
		SIGNATURE OF INVENTOR 201		DATE		
	ELILI NAME	LAST NAME	FIRST NAME	MIDDLE NAME		
	FULL NAME OF INVENTOR	TANG	Roderick			
	RESIDENCE &	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENS	HIP	
	CITIZENSHIP	 San Carlos	California	Maiaysia		
:		STREET	СПҮ	STATE OR COUNTRY	ZIP CODE	
	POST OFFICE ADDRESS	730 Chestnut Street	San Carlos	California	94070	
		SIGNATURE OF INVENTOR 202		DATE	<u> </u>	
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, 0	OF INVENTOR	LI	Shengqiang			
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) 3	CITIZENSHIP	Los Altos	California	People's Repub	lic of China	
,	POST OFFICE	STREET	СПҮ	STATE OR COUNTRY	ZIP CODE	
	POST OFFICE ADDRESS	718 Terrace Court	Los Altos	California	94024	
	-	SIGNATURE OF INVENTOR 203		DATE		
				<u> </u>	•	
	FULL NAME	LAST NAME	FIRST NAME	MIDDLE NAME		
	OF INVENTOR	BRYANT	Martin			
2	RESIDENCE &	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENS	НГР	
) 1	CITIZENSHIP	Carlisle	Massachusetts	United States o	f America	
•	DOCT OFFICE	STREET	СПҮ	STATE OR COUNTRY	ZIP CODE	
	POST OFFICE ADDRESS	65 Hickory Lane	Carlisle	Massachusetts	01741	
		SIGNATURE OF INVENTOR 204		DATE		
	1					
	-FULL-NAME	LAST NAME	FIRST NAME	MIDDLE NAME		
	OF INVENTOR	CLARKE	David	Kirkwood		
2	RESIDENCE &	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENS		
	CITIZENSHIP	Chester	New York	United States o		
5	I	STREET	СПУ	STATE OR COUNTRY	ZIP CODE	
5	POST OFFICE	1 2206 317binn nuin - TT:11-			New York 10918	
5	POST OFFICE ADDRESS	3205 Whispering Hills SIGNATURE OF INVENTOR 205	Chester	DATE	10918	

(2)

ſ	FULL NAME	LAST NAME	FIRST NAME	MIDDLE NAME
	OF INVENTOR	PALESE	Peter	
2	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
0	CITIZENSHIP	Leonia	New Jersey	United States of America
	POST OFFICE	STREET	спу	STATE OR COUNTRY ZIP CODE
	ADDRESS	414 Highwood Avenue	Leghia	New Jersey 07065
		SIGNATURE OF INVENTOR 205	De	DATE 6/12/03



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RECOMBINANT RSV VIRUS EXPRESSION SYSTEMS AND VACCINES

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APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY	CLAIMED
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	OF INVENTOR	ЛN	Hong		
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	CITIZENSHIP	Cupertino	California	People's Repub	lic of China
	POST OFFICE	STREET	СПУ	STATE OR COUNTRY	ZIP CODE
	ADDRESS	22385 Santa Paula Avenue	Cupertino	California	95014
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	FULL NAME	LAST NAME	FIRST NAME	MIDDLE NAME	
	OF INVENTOR	TANG .	Roderick		
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	OF INVENTOR	BRYANT	Martin		
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	BOST OFFICE	STREET	спу	STATE OR COUNTRY	ZIP CODE
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		SIGNATURE OF INVENTOR 204		DATE	•
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	OF INVENTOR	CLARKE	David	Kirkwood	
	RESIDENCE &	СІТУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENS	нр
	CITIZENSHIP	Chester	New York	United States o	f America
	POST OFFICE	STREET	СПУ	STATE OR COUNTRY	ZIP CODE
	ADDRESS	3205 Whispering Hills	Chester	New York	10918
		SIGNATURE OF INVENTOR 205 WILLIAM K. 1	lushe	G, 22.	03

FULL NAME	LAST NAME	FIRST NAME	MIDDLE NAME		
	OF INVENTOR	PALESE	Peter		
2 RESIDENCE & CITIZENSHIP	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENS	нФ	
	Leonia	New Jersey	United States o	f America	
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POST OFFICE ADDRESS	1 1	414 Highwood Avenue	Leonia	New Jersey	07065
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09/368,076	August 3, 1999		. 🛛		
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	EIH I MANAE	LASTNAME	- FIRST-NAME	MIDDLE NAME		
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FIRST NAME	MIDDLE NAME		
Peter			
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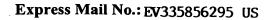
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(1)

FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS	JIN CITY Cupertino STREET 22385 Santa Paula Avenue	Hong STATE OR FOREIGN COUNTRY California	country of citizensi	IIP
RESIDENCE & CITIZENSHIP POST OFFICE	Cupertino STREET	STATE OR FOREIGN COUNTRY California		IIP
POST OFFICE	STREET		People's Republ	
· ·	STREET			ic of China
· ·	22385 Santa Paula Avenue	СПУ	STATE OR COUNTRY	ZIP CODE
	22303 Dulliu I uulu 1170lluv	Cupertino	California	95014
	SIGNATURE OF INVENTOR 201		DATE	
PHILI MANGE	LAST NAME	FIRST NAME	MIDDLE NAME	
OF INVENTOR	TANG	Roderick		
DECIDENCE &	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSI	IIP
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RESIDENCE & CITIZENSHIP	спу	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
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ADDRESS	718 Terrace Court	Los Altos	California	94024
	SIGNATURE OF INVENTOR 203		DATE	
		- · · · · · · · · · · · · · · · · · · ·		
FULL NAME	LAST NAME	FIRST NAME	MIDDLE NAME	
OF INVENTOR	BRYANT	Martin	•	
PESIDENCE &	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSI	IIP
CITIZENSHIP	Carlisle	Massachusetts	United States of	America
POST OFFICE	STREET	CITY	STATE OR COUNTRY	ZIP CODE
ADDRESS	65 Hickory Lane	Carlisle	Massachusetts	01741
	SIGNATURE OF INVENTOR 204		DATE	
	Hadministratriz	For the estate of Motor L. Brunt	7/23/03)
FULL NAME	LAST NAME	FIRST NAME	MIDDLE NAME	
OF INVENTOR	CLARKE	David	Kirkwood	
RESIDENCE &	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENS	IP
CITIZENSHIP	Chester	New York	United States of America	
POST OFFICE	STREET	СПУ	STATE OR COUNTRY	ZIP CODE
ADDRESS	3205 Whispering Hills	Chester	New York	10918
	SIGNATURE OF INVENTOR 205		DATE	
	RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS	FULL NAME OF INVENTOR RESIDENCE & CITY San Carlos STREET 730 Chestnut Street FULL NAME OF INVENTOR LI RESIDENCE & CITY FULL NAME OF INVENTOR POST OFFICE ADDRESS FULL NAME OF INVENTOR LI CITY LOS Altos STREET 718 Terrace Court SIGNATURE OF INVENTOR 203 FULL NAME OF INVENTOR BRYANT RESIDENCE & CITY Carlisle STREET FOST OFFICE ADDRESS FULL NAME OF INVENTOR BRYANT CITY Carlisle STREET FULL NAME OF HIVENTOR 204 LAST NAME BRYANT CITY CARLISLE STREET COTY CARKE CITY CHARKE CLARKE CITY Chester STREET 720 CHARKE CITY Chester STREET CHOST OFFICE ADDRESS STREET STREET 3205 Whispering Hills	FULL NAME OF INVENTOR RESIDENCE & CITY San Carlos STREET T30 Chestnut Street FULL NAME OF INVENTOR LI SIGNATURE OF INVENTOR 202 FULL NAME OF INVENTOR LI STREET T18 Terrace Court SIGNATURE OF INVENTOR 203 FULL NAME OF INVENTOR CITY T18 Terrace Court SIGNATURE OF INVENTOR 203 FULL NAME OF INVENTOR CITY T18 Terrace Court SIGNATURE OF INVENTOR 203 FULL NAME OF INVENTOR BRYANT FULL NAME OF INVENTOR CITY STATE OR FOREIGN COUNTRY California CITY T18 Terrace Court SIGNATURE OF INVENTOR 203 FULL NAME OF INVENTOR BRYANT RESIDENCE & CITY Carlisle SIGNATURE OF INVENTOR 204 FULL NAME OF INVENTOR CITY STATE OR FOREIGN COUNTRY Massachusetts CITY Carlisle SIGNATURE OF INVENTOR 204 FULL NAME OF INVENTOR CITY CARLE SIGNATURE OF INVENTOR 204 FULL NAME OF INVENTOR CARLE SIGNATURE OF INVENTOR 204 FULL NAME OF INVENTOR CLARKE David STREET CITY STATE OR FOREIGN COUNTRY Massachusetts FULL NAME OF INVENTOR CLARKE David STREET CITY STATE OR FOREIGN COUNTRY NEW YORK FULL NAME OF INVENTOR CLARKE New York TITY Chester STREET CITY Chester CITY Chester	RESIDENCE & CITY STATE OR FOREIGN COUNTRY STATE OR FOREIGN COUNTRY STATE OR FOREIGN COUNTRY STATE OR COUNTRY STATE OR COUNTRY STATE OR COUNTRY California STATE OR COUNTRY STATE OR COUNTRY STATE OR COUNTRY CALIFORNIA FULL NAME LI RESIDENCE & CITY STATE OR FOREIGN COUNTRY LOS Altos STATE OR COUNTRY COUNTRY OF CITIZENSH FULL NAME LI RESIDENCE & CITY STATE OR FOREIGN COUNTRY COUNTRY OF CITIZENSH POST OFFICE ADDRESS SIGNATURE OF INVENTOR 203 TOTY LOS Altos SIGNATURE OF INVENTOR 203 TOTY THE OR FOREIGN COUNTRY CALIFORNIA SIGNATURE OF INVENTOR 203 DATE FULL NAME OF INVENTOR RESIDENCE & CITY STATE OR FOREIGN COUNTRY CALIFORNIA SIGNATURE OF INVENTOR 203 DATE FULL NAME OF INVENTOR BRYANT MARTIN RESIDENCE & CITY STATE OR FOREIGN COUNTRY COUNTRY OF CITIZENSH CITY STATE OR FOREIGN COUNTRY COUNTRY OF CITIZENSH CITY STATE OR FOREIGN COUNTRY COUNTRY OF CITIZENSH MASSACHUSELTS United States of TOTY STATE OR FOREIGN COUNTRY CARLISLE FULL NAME OF INVENTOR 204 LAST NAME SIGNATURE OF INVENTOR 204 LAST NAME FULL NAME OF INVENTOR 204 LAST NAME SIGNATURE OF INVENTOR 204 LAST NAME FULL NAME OF INVENTOR 204 LAST NAME OF INVENTOR 204 LAST NAME OF INVENTOR 204 LAST NAME CATISIE MIDDLE NAME OF INVENTOR 204 LAST NAME OF INVENTOR 204 L

FULL NAME	LAST NAME	FIRST NAME	MIDDLE NAME		
OF INVENTOR		PALESE	Peter		•
2 RESIDENCE & CITIZENSHIP	спу	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENS	HIP	
	Leonia	New Jersey	United States o	f America	
POST OFFICE ADDRESS	STREET	спу	STATE OR COUNTRY	ZIP CODE	
	414 Highwood Avenue	Leonia	New Jersey	07065	
		SIGNATURE OF INVENTOR 205		DATE	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Hong Jin, et al.

Confirmation No.: 7604

Application No.: 09/724,416

Group Art Unit: 1648

Filed: November 28, 2000

Examiner: Lucas, Zachariah

For: RECOMBINANT RSV EXPRESSION

Attorney Docket No.: 7682-052-999

SYSTEMS AND VACCINES

CONSENT BY ASSIGNEE FOR CORRECTION OF INVENTORSHIP PURSUANT TO 37 C.F.R. § 1.48(a)(5)

Assistant Commissioner for Patents U.S. Patent and Trademark Office P.O. Box 2327 Arlington, VA 22202

SIR:

MEDIMMUNE VACCINES, Inc., having an office for transaction of business at 297 North Bernardo Avenue, Mountain View, California 94043, as an assignee of right, title and interest in, to and under the invention and U.S. patent application Serial No. 09/724,416, filed September 25, 1998, entitled "RECOMBINANT RSV EXPRESSION SYSTEMS AND VACCINES", hereby consents to amendment of the application to name the following actual inventors: Hong Jin, Roderick Tang, Shengqiang Li, Martin Bryant, David Clarke, and Peter Palese.

An-Assignment-of-the-application-to-AVIRON,-Inc. executed by Hong Jin, Roderick Tang, Shengqiang Li, and Martin Bryant was recorded with the U.S. Patent & Trademark Office on April 18, 2001, on Reel 011706 at frame 0504. Attached hereto as Exhibit 1 is a Certificate of Amendment to Amended and Restated Certificate of Incorporation certifying that the name of the corporation previously known as AVIRON, Inc. has been amended to MEDIMMUNE VACCINES, Inc.

The undersigned is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these

statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 6/16/03

Signature

William C. Bertrand, Jr.

Name of Signatory on behalf of MEDIMMUNE VACCINES, Inc.

Vice President, Legal Affairs

Title of Signatory



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Hong Jin, et al.

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For: RECOMBINANT RSV EXPRESSION

SYSTEMS AND VACCINES

Attorney Docket No.: 7682-052-999

STATEMENT BY THE INVENTOR TO BE ADDED PURSUANT TO 37 C.F.R. §1.48 (a)(2)

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

I, David Kirkwood Clarke, have reviewed and understand the content of the Petition for Correction of Inventorship Under 37 C.F.R. §1.48(a) submitted concurrently herewith to amend the above-identified application to correctly name all of the inventors. I hereby state that my name was inadvertently omitted, without deceptive intent, as a co-inventor of the currently claimed subject matter of the above-identified patent application. There was no deceptive intent on my part in the omission of my name as a co-inventor.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that I make these statements with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

6, 22,03

Dwin K. Clurke